

“Pocket Rocket” RS-366 Dial-Up Fiber Optic Modem

Model TC1230

- Async Data Rates up to 56 Kbps
- Supports all 11 Control Signals
- Multimode (850/1300nm) or Single Mode (1300/1550nm)
- 6 Status LEDs
- Distances up to 80Km
- Sturdy Compact Metal Case
- High Temperature Version (optional)



Intended for Video Conferencing applications, the TC1230 Fiber Optic Modem transmits RS-366 dial-up information between Codecs and CSU/DSUs, Hubs and other Network Devices at the Telco demarcation point.

The TC1230 supports asynchronous data rates up to 56Kbps and plugs directly into the RS-366 interface on the Codec and Network Device. It supports all 11 standard RS-366 control signals (typically 5 in, 6 out), including handshaking.

Typical campus network distances are approximately 5 km multimode and 80 km single mode. Distances can vary depending on the size and type of fiber optic cable, number of connections and type of connectivity devices.

The TC1230 works over all popular sizes and types of multimode (850/1300nm) or single mode (1300/1550nm) fiber optic cable. Fiber optic connectors are ST or FC. Electrical connectors are DB25 female.

6 diagnostic LEDs are included for Power, Sync and individual channel status. Power is 12VDC or 115/230VAC with an external power cube. A hardened temperature version (-20°C to 70°C), Model TC1230T, is also available for harsh environments.



Applications

The TC1230 is typically used to transmit dial-up information from a remote Codec to a CSU/DSU at the Telco demarcation point over single mode or multimode fiber optic cable. In addition to adding distance flexibility, it provides immunity from EMI/RFI interference, ground loops and lightning strikes.

TC Communications, Inc.
17881 Cartwright Rd. Irvine, CA 92614 U.S.A.

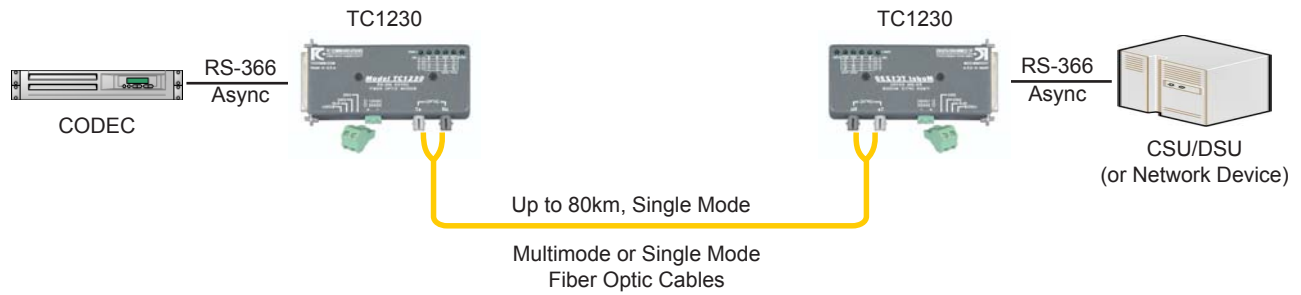
Tel: (949) 852-1972, Fax: (949) 852-1948

Sales: (800) 569-4736

Web Site: www.tccomm.com

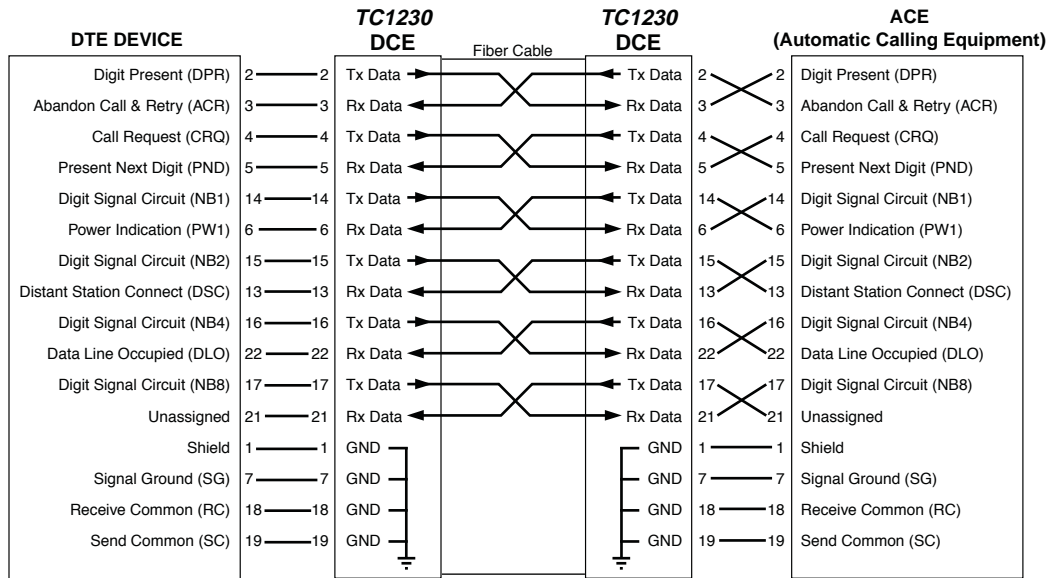
E-mail: sales@tccomm.com

Note: The term “Pocket Rocket” refers to the TC Communications family of small, durable and reliable Fiber Optic Modems. Available with a wide variety of interfaces and features, Pocket Rockets combine to provide solutions for most applications encountered in a general purpose fiber optic network.



Typical RS-366 Dial-Up Application Using TC1230s

Virtual & Cable Connections
(connect DTE to ACE devices)



Data Rates

Async (per channel).....up to 56 Kbps

Optical

Transmitter.....LED/ELED
 Receiver.....PIN Diode
 Wavelength.....850/1300nm MM
1300/1550nm SM
 Fiber Optic ConnectorsST
Optional FC
 Loss Budget* - 850/1300/1550nm
 Multimode @62.5/125µm.....15dB
 Single Mode @9/125µm.....20dB

Electrical

ConnectorDB25 Female
 Interface(DCE) RS-366

System

Bit Error Rate1 in 10⁹ or better

Visual Indicators

LEDs.....Power, Tx, Rx, Sync

Power

Standard12VDC @250mA
 Optional.....115/230VAC
 (with external power cube)

Temperature

Operating.....-10°C to 50°C
 Hi-Temp (optional)-20°C to 70°C
 Storage.....-40°C to 90°C
 Humidity95% non-condensing

Physical (Wallmount Base)

Height(2.24 cm) 0.88"
 Width(10.06 cm) 3.96"
 Depth(7.76 cm) 3.06"
 Weight.....(198 gm) 6.98 oz

*Contact factory for higher requirements



ISO 9001
 QMI-SAI Global
 #1045959

TC Communications, Inc.
 17881 Cartwright Road
 Irvine, CA 92614 U.S.A.
 Factory Tel: (949) 852-1972
 Fax: (949) 852-1948

Sales Office
 U.S.A. Domestic International
 (800) 569-4736 (949) 852-1973

Web Site: www.tccomm.com
 E-mail: sales@tccomm.com